

FDOT's Electronic Spec Book A New Era



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- The Headlines ... The Florida Department of Transportation is Entering a New Era, Going Even More Paperless with the 2013 Electronic Standard Specifications Book
- Why Not ... Even Newspapers Have Gone Electronic!!!



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But FIRST a Bit of History ...

(Drama Courtesy of Dick Kane ☺)



The year was 1915 - the first Florida State Road Board members had their work cut out for them.

Their job was to connect remote cities - hundreds of miles apart - by building hard-surfaced roads through sand hills, swamps and pine forests.

Their tools were a five-member appointed board - with a staff of six - and a ten thousand dollar annual budget.



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More and More Wheels on the Road



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- When Did Specifications Appear?
- Earliest Copy of a Standard Specifications Book in our Design Library in Tallahassee: "Approved and Adopted July 1, 1932"
- Pocket Size
- 416 Pages
- Flexible Cover



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- Additional Blanks on Cover
 "Road Between _____"
 "And _____"
 "Bridge Over _____"
 "In _____ County"
- Proposal Forms in Back with Complete Pay Item Lists with Blanks for Quantities, Unit Prices, Extensions and Signature
- Contractor's Questionnaire, the Contract Form (1.5 Pages) and Contract Bond (2 Pages)



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- 1933 – 446 Pages
- 1934 – 406 Pages, but Pay Items and Forms No Longer Included
- 1936 – 412 Pages
- 1938 – 431 Pages
- 1941 – 449 Pages
- ... and So It Grew



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- More Recent History of Standard Specifications
- 1991 - "Last" Book with English Units of Measure
- 1994 - Last Hard Copy Supplemental Specs Book
- 1996 - First Book with Metric Units of Measure
- 1999 - First Book with Active Voice
- 2000 - First Book with Dual Units of Measure
- 2004 - Dual Units
- 2007 - Return to English Units of Measure
- 2010 - The Last Book Published in Hard Cover



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- Specifications Process Changes
- 1997 - Spec Change Distribution by E-Mail
- 1998 to 2000 - Expanded Use of Specs Office Website; Everything Available Online
- 2002 - 100% Electronic Spec Packages
- 2003 - 100% Consultant Prepared Spec Packages
- 2005 - 100% Electronic Delivery (Plans & Specs)
- 2007 - Specs on the Web Implemented
- The Final (Electronic) Frontier - the 2013 Standard Specifications e-Book



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- Has Been Considered for Quite Some Time
- Initial Reluctance from Many Field Personnel; They Wanted a Book in Their Possession
- Simpler Way Has Been Sought by the Design Staff
- Options Have Been Discussed at Management Levels by the Design Efficiencies Task Team & the Management Coordination Team (M-Team)



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- 2013 e-Book Implemented on All Projects Effective with Lettings on January 1, 2013
- Publication Online Expected in August 2012, the Normal Spec Workbook Release Schedule
- Coordinated Implementation with the 2013 Design Standards e-Booklet, now Online
- The Standard Specifications e-Book will Now Be Published Annually, Just as the Design Standards e-Booklet



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- The January Workbook of Implemented Modifications Will Contain Special Provisions Only, No Supplemental Specifications
- The July Workbook of Implemented Modifications Will Continue to be Issued and Will Include Supplemental Specifications Implemented for Mid Year
- Specification Packages Will Now Be Much Smaller in Total Number of Pages



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- Electronic Standards and Specifications Have Enabled a New Era For Implementation
- ***“Virtual Implementation”***
- All Revisions to Standards & Specifications Should NOT Have to Wait for the “Next Implementation Bus”
- Leverages Our Electronic System to Take Advantage of More Timely Implementations - Saving Money, Expediting Technological and Other Critical Changes
- Can Maintain Consistency, Predictability and Repeatability at the Same Time
- Can Support Changes as Frequent as Monthly



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STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION

2013

(2013 Book in .pdf file size = 3894kb)

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Note: File size ranges from 100k - 350kb.

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- The Beginning of A New Era
- It Will Take Some New Discipline
- But Basic Processes are Largely Unchanged
- It Will Be Easier Than You Think
- We Will Be More Nimble, Flexible, Proactive, Agile, Cost Effective and Visionary Designers
- To Better Serve Our Downstream Customers



Our Mission: The Office of Design leads, guides and supports the design community to deliver innovative transportation solutions.



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Time For
Questions (and Answers)!!

